

Date: Fri, 7 May 93 04:30:02 PDT
From: Packet-Radio Mailing List and Newsgroup <packet-radio@ucsd.edu>
Errors-To: Packet-Radio-Errors@UCSD.Edu
Reply-To: Packet-Radio@UCSD.Edu
Precedence: Bulk
Subject: Packet-Radio Digest V93 #127
To: packet-radio

Packet-Radio Digest Fri, 7 May 93 Volume 93 : Issue 127

Today's Topics:

 Baycom on Sharp PC 3000
 correction to Macintosh Amateur Radio Software - May 1993
 Mac Packet '73' author
 Newbie Questions...
 Packet Drivers
 Packet MUD (2 msgs)
 Terminal software for Amiga?
 TNC2 Software

Send Replies or notes for publication to: <Packet-Radio@UCSD.Edu>
Send subscription requests to: <Packet-Radio-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Packet-Radio Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/packet-radio".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: Tue, 04 May 93 22:43:43 CDT
From: usc!cs.utexas.edu!utnut!utcsri!newsflash.concordia.ca!mizar.cc.umanitoba.ca!
bison!sys6626!inqmind!bills@network.UCSD.EDU
Subject: Baycom on Sharp PC 3000
To: packet-radio@ucsd.edu

SUBject says it all....I've just got a Sharp PC 3000, I'd like
to run one of the "TNC"-less software packet programs on it,
either Poor Man's Packet or the ever-popular Baycom. PMP is
probably the best choice since it uses the parallel port; Baycom
apparently needs a really standard serial port and I doubt there's
an INS8250 in this small package. Can anyone provide real
information on the combination of Baycom and PC 3000 ?

Bill
VE4STW@VE4KV.WPG.MB.CA.NA

bills@inqmind.bison.mb.ca
The Inquiring Mind BBS, Winnipeg, Manitoba 204 488-1607

Date: 6 May 93 15:11:08 GMT
From: news-mail-gateway@ucsd.edu
Subject: correction to Macintosh Amateur Radio Software - May 1993
To: packet-radio@ucsd.edu

Just after I released this list, I received a note that the new Novice and Technician Hypercard Test Stacks by Diana-KC1SP have been out at an ftp'able site. The below information should be used to replace the original text sent out earlier this week.

===== cut here =====

Ham Test Stacks

HyperCard stacks containing the entire question pool for each license class. Can be used for preparation or generating actual tests.

The current releases are: Novice v4.1(new questions eff. 7/1/93), Technician v4.0(new questions eff. 7/1/93), General v2.4, Advanced v2.4, Extra v2.4

If you wish to receive these PUBLIC DOMAIN stacks, please send a SASE (self addressed STAMPED envelope - 2 ounces postage = .52) and 800K diskette to the author: Diana L. Syriac, 3 Spruce Street, Hudson, NH 03051. I will no longer send out the stacks unless the envelope has sufficient postage for return mail (in general, that means .52-.98, depending on size of envelope) and for those who send a standard business envelope, I take no responsibility for the condition of the diskette through USnail.

Available via anonymous FTP from various sites, including uxc.cso.uiuc.edu (/pub/ham-radio). NOTE: The newest releases of Novice and Technician stacks are available at uxc.cso.uiuc.edu (5/6/93) Author is available via Internet: dls@genrad.com

===== cut here =====

73 for now.... c u on the shortwaves

Terry Stader - KA8SCP

America Online Ham Radio Club Host

Internet: tstader@aol.com (files <28K) or
tstader@attmail.com (files >28K)

KA8SCP@WA1PHY.#EMA.MA.USA.NOAM

ka8scp@ka8scp.ampr.org [44.56.4.82] Mac

ka8scp-1@ka8scp-1.ampr.org [44.56.4.120] DOS Clone
(they're BOTH pc's!)

Date: Wed, 5 May 1993 20:41:11 GMT
From: elroy.jpl.nasa.gov!usc!howland.reston.ans.net!sol.ctr.columbia.edu!
destroyer!newsrelay.iastate.edu!news.iastate.edu!vlsi4!jvp@ames.arpa
Subject: Mac Packet '73' author
To: packet-radio@ucsd.edu

In <1s8rsmINNsut@newsstand.cit.cornell.edu> Jeff Luszcz <jrl2@cornell.edu> writes:

>I've been trying to get in touch with the author of the 73 magazine
>article on mac packet. His address of francis4@apple.com doesn't
>seem to work anymore. I was wondering if the address for the kits
>given in the article is stil good or not.

The correct address is francis4@applelink.apple.com since it's an
applelink account. Dexter is the designer of the PacketMac modem and
is still selling modems both in kit form and completed form.

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| Jim Van Peurse - Ham Radio -> KE0PH                               |
| President, CM Technologies                                         |
| Author of Savant and Virtuoso for the Macintosh                  |
| internet - jvp@iastate.edu -or- jvp@cpre1.ee.iastate.edu         |
+-----+
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Date: 6 May 93 15:20:42 GMT
From: gecko!lanzo@uunet.uu.net
Subject: Newbie Questions...
To: packet-radio@ucsd.edu

In a prior article dlinder@cse.unl.edu (Daniel Linder) wrote:

> I will be graduating from college in a year and will really suffer
> internet-withdraw when I leave. I had thought of plunking down a lot of
> money on a fast modem and dialing in to one of the public access accounts
> that are located all over the place. Only problem is that the ammount of
> time that I am use to being on would make my long distance bill second only
> to the national debt.... This is where packet radio comes in. I have read
> a bit about some of the MS-DOS/UNIX programs that allow a rig to receive/send
> packets to other sites on internet...

Let's clear up a misconception here: these programs allow you to run
TCP/IP protocols with other machines which are also sending TCP/IP
packets over the air (embedded inside the standard AX.25 packets).

** This does not imply a connection to the internet. **

If the remote machine you are communicating with happens to have a link
with the internet, then you may have access to the internet, but this

is simply a function of the remote host's hookups and not the fact that you are talking to it via TCP/IP. It is quite possible that you could connect to the remote host using simple AX.25 (the raw packet protocol for amateur packet stuff), and then gateway into the internet from that host. The only software you'd need then would be your favorite telecomm program. It would be no different than dialing your work machine from your computer at home.

If you want special TCP/UDP/IP functionality like 'telnet', or 'ftp', *then* you'll need to use IP software at your end, but otherwise you may not.

- > ... From what I understand,
- > I can take a modem and hook it up to the speaker/mic ports on the radio and
- > tune to the correct frequencys (a bit over simplified I know)... What I
- > would like to do is purchase a fast (14.4 or V.fast) modem this summer and
- > use it this next year.

You need a gizmo known as a "TNC" (Terminal Node Controller) which converts data into packets suitable for transmission. You can buy a TNC for relatively small \$\$ nowadays, these usually include an integral modem. However, these are not normally high speed (more like 1200 baud typically). Higher speeds requires better radios, TNC's, modems, etc. with appropriately higher price tags and complexity. Best bet for some of this stuff is to find a local ham club and attend one of their meetings and ask folks there.

- > Then, hopefully when I graduate and get some sort
- > of job I could purchase a radio and tap into the net that way. Is this
- > basically what is done, or is this way off also?

I would say that this is NOT usually done, although there are individuals who have set up gateways to the internet. In general though the common usage is to set up networking with other hams, not to tap into the internet.

Note that most internet traffic is not suitable or even legal for transmission on the ham bands. Even if you did manage to find a local link to the internet, your access would probably be very restricted.

- > What would the range of
- > this rig be on an average day (broadcasting)?

Depends a great deal on conditions: power output, your antenna, your antenna location, recipient's antenna, geography, and so on. Maybe only a few miles for a tiny home installation, although this can be extended by relaying through other sites.

- > What about licensing? The FCC has the non-codeing ticket, is that enough?

A no-code license is sufficient. You'll need to learn the code if you want to venture into the HF bands ... but you'd be running in the VHF and UHF bands for the types of activity we're talking about.

Of course, learning the code can provide its own rewards, but that's another issue altogether :-)

- > I realise that it takes two to tango, so what about the other end?
- > Are there any sites within the range of the eastern nebraska area that
- > I would be able to feed to/from? Are they normally free, or do they
- > charge a monthly fee?

Commercial activities are forbidden on the ham bands. Hence if you did find another ham station which provided a link, usage would be free (although donations might be gratefully accepted :-)).

In summary: offhand I'd say that getting a ham license with the goal of getting an over-the-air link to the internet would not be a real effective way to accomplish things. However, there are plenty of fun things you can do on the ham bands, so I certainly don't wish to discourage you from going for your "ticket". Good luck with it!

--mark

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+-----+-----+
| Mark Lanzo   KD4QLZ   lanzo@tekelec.com           |   \\\///   |
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|                                     |   \XX/   |
+-----+-----+-----+-----+-----+-----+
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Date: 6 May 93 21:38:05 GMT
From: ucla-se!malibu!nazareth@locus.ucla.edu
Subject: Packet Drivers
To: packet-radio@ucsd.edu

I was just wondering if there is anybody out there who has experience writing Packet Drivers that meet the FTP specification. I am interested in designing and building my own interface and would appreciate any input that you may have. My interface must be designed to have at least 1Mbit/s through put and the media will be air (wireless transmission). I will (hopefully) have a customized Spread Spectrum Modem that will be able to take any data that it receives and transmit/receive it.

I am also interested in the feasibility of incorporating some form of realtime compression in the data packets. Does any one know if this is feasible?

Thanks

Sean

Date: Thu, 6 May 1993 04:56:13 GMT
From: waikato.ac.nz!aukuni.ac.nz!cs18.cs.aukuni.ac.nz!dnor1@decwrl.dec.com
Subject: Packet MUD
To: packet-radio@ucsd.edu

I have been a ham for about a year now, and my interest has slowed. People who I have introduced packet to are nonplussed. Whatever I show them ,they can do on the Internet or at their local telephone BBS.

But recently, I have found something that might appeal. The idea of a MUD (multi-user dungeon) on packet radio. The game is a multiplayer role-playing adventure, and is only a real phenomenon in the Internet because of the near-unlimited number of connections that can be made to the MUD host. However, packet radio has exactly the same connectability as far as I can tell, with only one transceiver (whereas a phone board requires a modem per connection).

What I want to know is, is this idea old hat? Has anyone done this before? Secondly, are such activities legal? If they are, are they sanctioned at all?

David Norman

" Of course, I see things like this... :-) " - policeman in the Young Ones

Date: 6 May 93 10:04:01 CDT
From: dog.ee.lbl.gov!overload.lbl.gov!agate!msuinfo!uchinews!raistlin!timbuk.cray.com!hemlock.cray.com!andyw@network.UCSD.EDU
Subject: Packet MUD
To: packet-radio@ucsd.edu

In article <1993May6.045613.21868@cs.aukuni.ac.nz>, dnor1@cs.aukuni.ac.nz (David Hikaru Norman) writes:

> I have been a ham for about a year now, and my interest has slowed. People who
> I have introduced packet to are nonplussed. Whatever I show them ,they can do
> on the Internet or at their local telephone BBS.

I'm shocked, stunned & not a little amazed..... People bored with Packet BBSs ? To listen to some, they represent the pinnacle of technology..

> But recently, I have found something that might appeal. The idea of a MUD
> [...]
> Secondly, are such activities legal? If they are, are they sanctioned at all?

It works, but the sludge-like performance of 1200 baud packet makes
it about as thrilling as watching paint dry. If you use 9600 baud or
higher it becomes usable.

--

andyw. NØREN/G1XRL

andyw@aspen.cray.com Andy Warner, Cray Research, Inc. (612) 683-5835

Date: 6 May 1993 07:57:46 GMT
From: usc!howland.reston.ans.net!torn!nott!bnrgate!bnr.co.uk!pipex!warwick!
kinguni!ceres!ee_b152@network.UCSD.EDU
Subject: Terminal software for Amiga?
To: packet-radio@ucsd.edu

Any decent terminal software for the Amiga for packet radio?
A friend of mine said that he got some software a few years(!) back with
loads of features packed in, especially for the Amiga...

There must be SOME dedicated packet radio software for the Amiga but where?

Any help appreciated...

Tony.

:-(Wot no sig

Date: Thu, 6 May 93 13:44:32 BST
From: usc!howland.reston.ans.net!torn!nott!bnrgate!bnr.co.uk!uknet!doc.ic.ac.uk!
cc.ic.ac.uk!ic.ac.uk!abb@network.UCSD.EDU
Subject: TNC2 Software
To: packet-radio@ucsd.edu

I was wandering if some kind person out there could tell me where I
can obtain the latest TNC 2 software. I am after a copy of the firmware
(32K ROM image) and a comms package to run under DOS4 on a 286,
preferable via FTP.

Please reply via e-mail.

TIA,

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